

Message

From: Isaak, Daniel -FS [disaak@fs.fed.us]
Sent: 1/6/2017 7:11:58 AM
To: Labiosa, Rochelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ded3654216c9461d95cd5a3ceec507ef-Labiosa, Rochelle]; Detenbeck, Naomi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=096b94413e904cdc987a2b70a9a80feb-Detenbeck, Naomi]; Ebersole, Joe [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6ba9c70c3aab4745bdce199ca906fce1-Ebersole, Joe]; Keenan, Dru [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9525dc06e2e74bb89da45f7e19b2e0ca-Keenan, Dru]; Wu, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=885e149e9bdd4094bf34508d7454cdfa-Wu, Jennifer]; Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Duncan, Bruce [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ff04bb22dfc44cbb9fb60c1de6f6e130-Duncan, Bruce]; Deacon, Jonnel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=402acdce0dd4ae9ba5f253e8c9b0cbd-Deacon, Jon]; Klein, Steve [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=78252a7e01dc4ad8bbf407af60f5986f-Klein, Steve]; Pickett, Paul (ECY) [Ppic461@ECY.WA.GOV]
CC: Palmer, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3a702305929342cf90b255c49dbacf4a-Palmer, John]; Jacobson, Martin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8fafee20580b4afaa071e71ddcc088eb-Jacobson, M]; Mann, Laurie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=91d9977275924e7b80a6751941c1c3b7-Mann, Laurie]; STURDEVANT Debra [debra.sturdevant@state.or.us]; Leinenbach, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=71fa43fac15249aa9cfba0a9dfcf3361-Leinenbach, Peter]; debra sturdevant [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userb7e5c797]; FOSTER Eugene P [FOSTER.Eugene@deq.state.or.us]; michie.ryan@deq.state.or.us; chad.brown@ecy.wa.gov; Szlag, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f1e48230d96943f8acb72810e32ce8d6-Szlag, Matthew]; esno461@ecy.wa.gov; Susan Braley [subr461@ecy.wa.gov]; Brown, Chad (ECY) [CHBR461@ECY.WA.GOV]
Subject: RE: Big Cold and Small Cold RARE-funded project- recurring meetings
Attachments: Justice 17 - Can stream and riparian restoration offset climate.pdf; Isaak et al 17 BigFishMicroClimate_EcoApps_Formatted&Supplementals.pdf

Hi Rochelle et al., I'm not sure when our next discussion is scheduled to occur but thought I'd pass along these two recent studies as ones particularly relevant to this group. The first is a nice analysis done by a CRITFC team to look at climate change and riparian restoration scenarios in the Grande Ronde to see how Chinook populations might be affected and/or thermal habitat restored to partially offset future warming and perhaps improve fish densities. They've wedded a mechanistic model with FLIR datasets to develop precise river temperature scenarios and their results seem to make a good bit of sense. It's an approach that would work well for salmon rivers where FLIR data are available and offers precision beyond what the SSN models will be able to deliver. The second study is one that we finally have in press with Ecological Applications after wrestling with it for a few years. Long story short is that it's a proof of concept paper to see if it were possible to develop a generalizable approach for defining thermal niches for many species simultaneously by combining NorWeST scenarios with big species occurrence datasets that we aggregated from multiple sources. Seemed to work well in many instances and could be further refined to create a statewide strategic tool using biological datasets that already exist if also combined with local inventories of habitat impairment. Best, Dan

From: Labiosa, Rochelle [mailto:labiosa.rochelle@epa.gov]

Sent: Tuesday, December 13, 2016 5:37 PM

To: Detenbeck, Naomi <Detenbeck.Naomi@epa.gov>; Ebersole, Joe <Ebersole.Joe@epa.gov>; Keenan, Dru <keenan.dru@epa.gov>; Wu, Jennifer <Wu.Jennifer@epa.gov>; Cope, Ben <Cope.Ben@epa.gov>; Duncan, Bruce <Duncan.Bruce@epa.gov>; Deacon, Jonnel <deacon.jonnel@epa.gov>; Klein, Steve <Klein.Steve@epa.gov>; Isaak, Daniel -FS <disaak@fs.fed.us>; Pickett, Paul (ECY) <Ppic461@ECY.WA.GOV>

Cc: Palmer, John <Palmer.John@epa.gov>; Jacobson, Martin <Jacobson.Martin@epa.gov>; Mann, Laurie <mann.laurie@epa.gov>; STURDEVANT Debra <debra.sturdevant@state.or.us>; Leinenbach, Peter <Leinenbach.Peter@epa.gov>; debra sturdevant <sturdevant.debra@deq.state.or.us>; FOSTER Eugene P <FOSTER.Eugene@deq.state.or.us>; michie.ryan@deq.state.or.us; chad.brown@ecy.wa.gov; Szelag, Matthew <Szelag.Matthew@epa.gov>; esno461@ecy.wa.gov; Susan Braley <subr461@ecy.wa.gov>; Brown, Chad (ECY) <CHBR461@ECY.WA.GOV>

Subject: RE: Big Cold and Small Cold RARE-funded project- recurring meetings

Hi All,

We look forward to talking tomorrow about the Big cold small cold project. Please let me know if you have any additions to the agenda, below.

Agenda

Restored conditions analysis status (QAPP, postdoc) and incorporation of Phase II work: Naomi and Joe

- TMDL analyses in parallel – Rochelle/Peter

NorWest processing unit and analysis update – Dan
Round Robin

Rochelle Labiosa, Ph.D.
Office of Water and Watersheds
US EPA, Region 10
1200 Sixth Avenue, Suite 900, MC: OWW-191
Seattle, WA 98101-3140
Ph: 206.553.1172
Fax: (206) 553-0165

-----Original Appointment-----

From: Labiosa, Rochelle

Sent: Monday, December 14, 2015 10:29 AM

To: Labiosa, Rochelle; Detenbeck, Naomi; Ebersole, Joe; Keenan, Dru; Wu, Jennifer; Cope, Ben; Duncan, Bruce; Deacon, Jonnel; Klein, Steve; Isaak, Daniel -FS; Pickett, Paul (ECY)

Cc: Palmer, John; Jacobson, Martin; Mann, Laurie; STURDEVANT Debra; Leinenbach, Peter;
sturdevant.debra@deq.state.or.us; FOSTER Eugene P; michie.ryan@deq.state.or.us; chad.brown@ecy.wa.gov; Szelag, Matthew; esno461@ecy.wa.gov; Susan Braley; Brown, Chad (ECY)

Subject: Big Cold and Small Cold RARE-funded project- recurring meetings

When: Wednesday, December 14, 2016 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).

Where: Conference line-

Ex. 6 Personal Privacy (PP)

Hi All,

Apologies for the short notice reschedule of our December call– This invite is for the recurring monthly meeting to track progress on the Big Cold and Small Cold RARE-funded project. Including ODEQ and WA ECY staff.

R10 Seattle meets in Orca.

Conference line- **Ex. 6 Personal Privacy (PP)**

Agenda will be sent prior to each meeting.

Thanks so much for your participation on this project!
Rochelle

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.